A Review of Extrusion Freeform Fabrication Methods for Ceramic Additive Manufacturing

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ABSTRACT
The Extrusion Freeform additive manufacturing method (EFF) is a very promising AM method for ceramics, which has shown its capability in manufacturing ceramic parts of high density, multiple materials and functionally graded materials with very low wastage of material. This paper studies in detail the technology capabilities and limitations of extrusion-based ceramic additive manufacturing methods, the current progress and challenges and the recent trend of material extrusion-based ceramic additive manufacturing.

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